Ta-Chung Ong

List of Publications by Year
in descending order

29 papers	1,863 citations	331670 21 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	3233 citing authors

#	Article	IF	Citations
1	Phenyl Ring Dynamics in a Tetraphenylethylene-Bridged Metalâ€“Organic Framework: Implications for the Mechanism of Aggregation-Induced Emission. Journal of the American Chemical Society, 2012, 134, 15061-15070.	13.7	368
2	Thiophene-based covalent organic frameworks. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4923-4928.	7.1	291
3	Sensitivity-Enhanced NMR Reveals Alterations in Protein Structure by Cellular Milieus. Cell, 2015, 163, 620-628.	28.9	126
4	Dynamic DMF Binding in MOF-5 Enables the Formation of Metastable Cobalt-Substituted MOF-5 Analogues. ACS Central Science, 2015, 1, 252-260.	11.3	123
5	Structure of Colloidal Quantum Dots from Dynamic Nuclear Polarization Surface Enhanced NMR Spectroscopy. Journal of the American Chemical Society, 2015, 137, 13964-13971.	13.7	105
6	Active Sites in Supported Single-Site Catalysts: An NMR Perspective. Journal of the American Chemical Society, 2017, 139, 10588-10596.	13.7	103
7	Cage-Walking: Vertex Differentiation by Palladium-Catalyzed Isomerization of B(9)-Bromo-meta-Carborane. Journal of the American Chemical Society, 2017, 139, 7729-7732.	13.7	97
8	Solvent-Free Dynamic Nuclear Polarization of Amorphous and Crystalline ortho-Terphenyl. Journal of Physical Chemistry B, 2013, 117, 3040-3046.	2.6	71
9	Lipid Dynamics and Proteinâ€“Lipid Interactions in 2D Crystals Formed with the Î²-Barrel Integral Membrane Protein VDAC1. Journal of the American Chemical Society, 2012, 134, 6375-6387.	13.7	65
10	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. Angewandte Chemie - International Edition, 2016, 55, 4743-4747.	13.8	52
11	Resolving the Core and the Surface of CdSe Quantum Dots and Nanoplatelets Using Dynamic Nuclear Polarization Enhanced PASSâ€“PIETA NMR Spectroscopy. ACS Central Science, 2018, 4, 1113-1125.	11.3	46
12	Identifying Sn Site Heterogeneities Prevalent Among Snâ€Beta Zeolites. Helvetica Chimica Acta, 2016, 99, 916-927.	1.6	44
13	Molecular Structure and Confining Environment of Sn Sites in Single-Site Chabazite Zeolites. Chemistry of Materials, 2017, 29, 8824-8837.	6.7	44
14	Topical Developments in Highâ€Field Dynamic Nuclear Polarization. Israel Journal of Chemistry, 2014, 54, 207-221.	2.3	40
15	Zeolite Y adsorbents with high vapor uptake capacity and robust cycling stability for potential applications in advanced adsorption heat pumps. Microporous and Mesoporous Materials, 2015, 201, 151-159.	4.4	36
16	Structural Insights into Bound Water in Crystalline Amino Acids: Experimental and Theoretical ¹⁷O NMR. Journal of Physical Chemistry B, 2015, 119, 8024-8036.	2.6	35
17	Dendritic polarizing agents for DNP SENS. Chemical Science, 2017, 8, 416-422.	7.4	35
18	Biosilicaâ€Entrapped Enzymes Studied by Using Dynamic Nuclearâ€Polarizationâ€Enhanced Highâ€Field NMR Spectroscopy. ChemPhysChem, 2015, 16, 2751-2754.	2.1	30

#	Article	IF	Citations
19	The Î²â€Agostic Structure in (C₅Me₅)₂Sc(CH₂CH₃): Solidâ€State NMR Studies of (C₅Me₅)₂Scâ^'R (R=Me, Ph, Et). Angewandte Chemie - International Edition, 2018, 57, 9520-9523.	13.8	26
20	Tailored Polarizing Hybrid Solids with Nitroxide Radicals Localized in Mesostructured Silica Walls. Helvetica Chimica Acta, 2017, 100, e1700101.	1.6	24
21	Colloidal-ALD-Grown Core/Shell CdSe/CdS Nanoplatelets as Seen by DNP Enhanced PASSâ€"PIETA NMR Spectroscopy. Nano Letters, 2020, 20, 3003-3018.	9.1	24
22	Formation of organic molecular nanocrystals under rigid confinement with analysis by solid state NMR. CrystEngComm, 2014, 16, 9345-9352.	2.6	19
23	Proteinâ€"nucleotide contacts in motor proteins detected by DNP-enhanced solid-state NMR. Journal of Biomolecular NMR, 2017, 69, 157-164.	2.8	19
24	Formation of organic molecular nanocrystals under soft confinement. CrystEngComm, 2015, 17, 6044-6052.	2.6	17
25	One-pot solvothermal synthesis of a well-ordered layered sodium aluminoalcoholate complex: a useful precursor for the preparation of porous Al₂O₃ particles. CrystEngComm, 2014, 16, 2950-2958.	2.6	6
26	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. Angewandte Chemie, 2016, 128, 4821-4825.	2.0	6
27	The Î²â€Agostic Structure in (C 5 Me 5) 2 Sc(CH 2 CH 3): Solidâ€State NMR Studies of (C 5 Me 5) 2 Scâ^'R (R=Me,) Tj ETQq1 1 0.78	2.0	4
28	Designed Single-Step Synthesis, Structure, and Derivative Textural Properties of Well-Ordered Layered Penta-coordinate Silicon Alcoholate Complexes. Chemistry - A European Journal, 2014, 20, 6315-6323.	3.3	3
29	Icosahedral m-Carboranes Containing Exopolyhedral Bâ€"Se and Bâ€"Te Bonds. Inorganic Chemistry, 2021, 60, 19165-19174.	4.0	2